

**DRAFT INTERIM USE
REP EXERCISE PREPARATION GUIDE
(For Evaluator Pre-exercise Use Only – Do Not Submit!)**

EVALUATION AREA 6: SUPPORT OPERATION/FACILITIES

SUB-ELEMENT 6.a – Monitoring and Decontamination of Evacuees and Emergency Workers, and Registration of Evacuees

Criterion 6.a.1: The reception center/emergency worker facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees and/or emergency workers. (NUREG-9654, J.10.h.; K.5.b.)

According to the ORO's plan/procedures and the extent of play agreement:

For Evacuees (General Public)

- Where will monitoring, decontamination, and registration of evacuees occur?
- What kind of monitoring equipment will be used? Hand held? Portal monitors?
- How many personnel are trained to operate monitoring equipment?
- Is there team or group dosimetry, or strategically placed radiological monitoring instruments, for contamination control at the facility?
- What is the total population of the EPZ? What is 20% of that figure (the estimate of needed monitoring capability)?
- Is there sufficient staff and monitoring equipment specified to process 20% of population (assigned to the facility to be evaluated) within 12 hours?
- Will all required monitoring staff be demonstrated? If not, what is the agreed demonstration?
- Will at least 6 individuals be monitored per monitoring station?
- What is the action level for determining the need for decontamination?
- When an individual is found to be contaminated, what happens to their potentially contaminated vehicle?
- What procedures are used to minimize contamination within the facility?
- How are contaminated individuals separated from non-contaminated individuals?
- How are monitored and clean vehicles separated from contaminated or non-monitored vehicles?
- How are contaminated clothing and other personal belongings to be handled? Will clean clothing be provided to evacuees?

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- Are separate showers for males and females specified?
- What procedures are used if evacuees could not be adequately decontaminated?
- Will decontamination of evacuees be conducted by interview or actually demonstrated?
- What is the process used to ensure that only clean evacuees enter the registration area?
- What organization registers evacuees upon completion of monitoring and decontamination?

During the exercise, in addition to evaluating activities related to the items listed above, be sure to:

- Note whether there was adequate space for evacuees and their vehicles at the reception center.
- Document the type and quantity of monitoring equipment used.
- Note how monitoring equipment is checked to ensure it is operational.
- Document the number of personnel available to perform monitoring of vehicles and evacuees (compare to the number indicated in the extent of play agreement).
- Document the number of personnel available to perform decontamination of evacuees (compare to the number indicated in the extent of play agreement).
- Determine whether, based on the demonstration, the facility can monitor 20% of anticipated evacuees within 12 hours.
- Note if contamination control procedures, including storage of contaminated clothing and possessions, were followed.
- Note whether there are separate showers for males and females.
- Observe what is done if an evacuee cannot be successfully decontaminated.
- Note if the access into the clean (registration) area is controlled adequately.
- Note if a registration record was established for each individual. The record (which can be written or recorded audiovisually) should contain the individual's name, address, results of monitoring, and time of decontamination (if needed).

According to the ORO's plan/procedures and the extent of play agreement:

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For Emergency Workers

- Where will monitoring, decontamination, and registration of emergency workers occur?
- What kind of monitoring equipment will be used?
- How many personnel are trained to operate monitoring equipment at the facility for emergency workers?
- What is the action level for determining the need for decontamination?
- What procedures are used to minimize contamination within the facility?
- How are contaminated emergency workers separated from non-contaminated emergency workers?
- How are contaminated clothing and other personal belongings to be handled? Will clean clothing be provided to emergency workers?
- Will decontamination of emergency workers be conducted by interview or actually demonstrated?
- Are separate showers for male and female emergency workers specified?
- What procedures are used if emergency workers could not be adequately decontaminated?

During the exercise, in addition to evaluating activities related to the items listed above, be sure to:

- Note whether there was adequate space for emergency workers at the emergency worker decontamination facility.
- Document the type and quantity of monitoring equipment used.
- Note how monitoring equipment is checked to ensure it is operational.
- Note whether there are separate showers for male and female emergency workers.
- Note whether at least two emergency workers were monitored.
- Document the number of personnel available to perform monitoring of emergency workers (compare to the number indicated in the extent of play agreement).

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- Document the number of personnel available to perform decontamination of emergency workers (compare to the number indicated in the extent of play agreement).
- Note if contamination control procedures, including storage of contaminated clothing and possessions, were followed.
- Observe what is done if an emergency worker cannot be successfully decontaminated.
- Note if a record of monitoring and decontamination (if necessary) is kept for each emergency worker.

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SUB-ELEMENT 6.b – Monitoring and Decontamination of Emergency Worker Equipment

Criterion 6.b.1 - The facility/ORO has adequate procedures and resources for the accomplishment of monitoring and decontamination of emergency worker equipment including vehicles.

According to the ORO's plan/procedures and the extent of play agreement:

- Where will emergency workers' equipment be monitored and decontaminated?
- What instruments (manufacturer/model number/earphones/speaker) are used to monitor potentially contaminated vehicles/equipment?
- How are monitoring instruments operationally checked?
- What is the action level to determine if vehicle/equipment requires decontamination?
- What process is used to decontaminate vehicles and equipment?
- Will decontamination procedures be conducted through interview or actually demonstrated?

During the exercise, in addition to evaluating activities related to the items listed above, be sure to:

- Note whether there was adequate space for emergency worker equipment and their vehicles at the facility.
- Document the number of personnel available to perform monitoring of emergency worker vehicles (compare to the number indicated in the extent of play agreement).
- Describe the set-up at the facility, which should be as it would be in an actual emergency, including route markings, instrumentation, record keeping and contamination control measures.
- Document the type and quantity of monitoring equipment used.
- Note how monitoring equipment is checked to ensure it is operational.
- Observe monitoring of at least one vehicle, including air intake systems, radiator grills, bumpers, wheel wells, tires, and door handles.

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- Document the number of personnel available to perform monitoring of emergency worker equipment (compare to the number indicated in the extent of play agreement).

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SUB-ELEMENT 6.c – Temporary Care of Evacuees

Criterion 6.c.1 - Managers of congregate care facilities demonstrate that the centers have resources to provide services and accommodations consistent with American Red Cross planning guidelines. [Found in MASS CARE – Preparedness Operations, ARC 3031] Managers demonstrate the procedures to assure that evacuees have been monitored for contamination and have been decontaminated as appropriate prior to entering congregate care facilities.

According to the ORO's plan/procedures and the extent of play agreement:

- What agency is responsible for managing the congregate care center?
- How will the congregate care center be set up for the demonstration?
- How will personnel at the congregate care center ensure that evacuees entering the facility have been monitored and found to be clean of contamination?

During the exercise, in addition to evaluating activities related to the items listed above, be sure to:

- Note whether the congregate care center is set up in accordance with the extent of play agreement. If equipment (cots, blankets, sundries, food supplies) has not been brought in for the demonstration, the center staff should have a list of sources of equipment with locations and estimates of quantities.
- Document available resources for evacuees (real or simulated) arriving at the congregate care center.
- Document how the American Red Cross Guidelines on mass care will be met at this facility.
- Note whether congregate care staff check to see if evacuees have been monitored and, if necessary, decontaminated.

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SUB-ELEMENT 6.d – Transportation and Treatment of Contaminated Injured Individuals

Criterion 6.d.1 - The facility/ORO has the appropriate space, adequate resources, and trained personnel to provide transport, monitoring, decontamination, and medical services to contaminated injured individuals.

According to the ORO's plan/procedures and the extent of play agreement:

- What organization will demonstrate the capability to transport contaminated, injured individuals to the appropriate medical facilities?
- How is the hospital notified to establish a Radiological Emergency Area (REA)?
- What equipment and supplies are available in the REA?
- What information will be provided to the medical facility by the ambulance crew?
- Are procedures in place to ensure that when the (simulated) contaminated, injured evacuee arrives, urgent medical care takes precedence over monitoring, decontamination, and contamination control efforts by facility medical staff?
- What methods will be used to decontaminate the potentially contaminated victim (once he/she is medically stabilized)?
- What contamination control measures are used by the medical facility?
- What instruments will be used by the medical facility to monitor the evacuee for contamination? (Manufacturer's Name/Model Number)
- What procedures do medical staff (or the ORO) use to ensure that monitoring instruments are operational?
- What action level will trigger the need for decontamination of the contaminated evacuee?
- What methods will be used to collect and analyze samples including swabs and skin wipes?
- Where and by whom will the ambulance crew and ambulance (or other transport vehicle) be monitored and decontaminated if required?

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During the exercise, in addition to observing activities related to the items listed above, be sure to:

- Note what type of vehicle was used for the transportation of the contaminated injured?
- Note whether medical care took priority over monitoring, decontamination, and contamination control efforts.
- Note when and by whom the victim was monitored for contamination.
- Observe and document communications between the medical transport crew and the receiving hospital. Note if accident scene survey records were transferred to the medical facility staff.
- Determine the knowledge of the medical transport crew concerning where the ambulance (or other transport vehicle) and crew would be monitored and decontaminated.
- Document contamination control measures taken by the medical transport crew and at the hospital.
- Document instrumentation used by the medical transport crew and at the hospital. Note whether instruments were operationally checked (if pertinent).
- Note whether records of all survey measurements and samples taken were kept.